

Home Work : Set1

Q1. Short questions :

- i. A computer executes a set of ----- that operate on -----
- ii. ----- memory loses its contents when power is switched off.
- iii. Put them in ascending order mentioning their decimal values in bits:
megabytes, kilobytes, gigabytes, bytes
- iv. The special program that controls the resources of the computer is called -----
- v. A program that translates programmer's code into machine language is called -----
- vi. The program that loads the executable code into the primary memory -----

Q2. Explain the stored program concept proposed by Von Neumann.

Q3. Explain the fetch-decode-execute mechanism used by CPU

Q4. Explain the steps during compilation of a C program

Q5. Write the 8-bit 2's complement representations of the following integers:

123 ; -123 ; -7; 63

Q6. Find the 32-bit floating point representation of the following real numbers (under the IEEE 754 format):

123 ; -123 ; 0.1 ; 0.2 ; 0.25 ; -543.21